

# WHICH IS YOUR CONSERVATION ISSUE?

## CLEANING

...of **water-tolerant** materials (glass, ceramics, metal, stones, wall paintings, ...)

...of **water-sensitive** materials (paper, wood, canvas, textiles, easel paintings, modern acrylics, gypsum sculptures, ...)

Selective removal of vandalism, overpaintings, etc.

What do you have to remove?

**Water-insoluble matter** (polymer coatings, adhesives, protective agents, varnishes, waxes, oily stains, scotch tape, ...)

**Water-soluble matter** (dust, common grime, proteic matter, soluble polysaccharides, ...)

Is your **surface rough** or irregularly shaped?

How much is your material **sensitive to water**?

YES

NO

Little

Extremely

GEL PEGGY

GEL PEGGY  
GEL MWR

GEL HWR

The gel is only the **medium** for the **cleaning fluid**, which has to be **chosen** according to **what you have to remove...**

**NANORESTORE GELS + NANORESTORE CLEANING FLUIDS**

Best results have been obtained combining repeated applications of nanofluid-loaded hydrogels with some mechanical removal, using a (rubber) scalpel and/or cotton swabs

Which solvents work in your case?

Is your **surface rough** or irregularly shaped?

**Polar ones** (acetone, ethanol, MEK, ethyl acetate, ...)

**Apolar ones** (xylene, white spirits, ...)

NO

YES

GEL DRY  
GEL PEGGY

GEL PEGGY

**Water-insoluble matter** (polymer coatings, adhesives, protective agents, varnishes, waxes, oily stains, scotch tape, ...)

**Water-soluble matter** (dust, common grime, proteic matter, soluble polysaccharides, ...)

Which solvents work in your case?

**Apolar ones** (xylene, white spirits, ...)

**Polar ones** (acetone, ethanol, MEK, ethyl acetate, ...)

Use **neat gels** or load the most suitable **aqueous solution** (pH buffer, chelators, surfactants, ...)

Is there a reason to **avoid ionic surfactants**? Do you have **salts** on the surface?

NO

CLEANING APOLAR COATING

CLEANING POLAR COATING G  
CLEANING POLAR COATING B  
CLEANING POLAR COATING S

CLEANING POLAR COATING G  
CLEANING POLAR COATING B

Is there a reason to **avoid ionic surfactants**? Do you have **salts** on the surface?

Yes, I have salts

CLEANING POLAR COATING G  
CLEANING POLAR COATING B  
CLEANING POLAR COATING S

CLEANING POLAR COATING G  
CLEANING POLAR COATING B  
CLEANING POLAR COATING S

## CONSOLIDATION

...of lime-based inorganic materials (wall paintings, stones, plasters, mortars, ...)

Are your materials sensitive or may be harmed by **2-propanol**?

NO

YES

PLUS PROPANOL

Are they sensitive to **ethanol**?

NO

YES

PLUS ETHANOL

NANORESTORE products may be **not the most suitable choice** in this case.

## DEACIDIFICATION

...of cellulosic materials (paper, woods, canvas, textiles, ...), parchment and leather

Are your materials (inks, etc.) sensitive or may be harmed by **2-propanol**?

NO

YES

PAPER PROPANOL

Are they sensitive to **ethanol**?

NO

YES

PAPER ETHANOL

NANORESTORE products may be **not the most suitable choice** in this case.